

Assistance Agreement Quarterly Report Summary: 13th Quarter

Date of Report: May 30, 2003

Agreement No: R82806301

Title: **Baltimore Supersite: Highly Time and Size Resolved Concentrations of Urban PM_{2.5} and its Constituents for Resolution of Sources and Immune Responses**

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Research Category: Particulate Matter Supersites Program

Project Period: January 15, 2000 to December 31, 2003

Objectives of Research: Our primary objectives are to i) provide an extended, ultra high-quality multivariate data set, with unprecedented temporal resolution, designed to take maximum advantage of advanced new factor analysis and state-of-the-art multivariate statistical techniques; ii) provide important information on the potential for health effects of particles from specific sources and generic types of sources, iii) provide large quantities of well characterized urban PM for retrospective chemical, physical, biologic analyses and toxicological testing, iv) provide sorely needed data on the sources and nature of organic aerosol presently unavailable for the region, v) provide support to existing exposure and epidemiologic studies to achieve enhanced evaluation of health outcome-pollutant and -source relationships, and vi) test the specific hypothesis listed in our proposal.

ACTIVITIES

During the 13th report period the following activities were performed.

1. Conducted mini intensives at our Ponca st. site in January and again in February
2. Presentations were made at the EPA Supersites Meeting in Atlanta in January, and at the March AAAR meeting in Pittsburgh.
3. Major efforts were made to complete Quality assurance, database loading, and transferr of data to the NARSTO archive.